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# EUROPEAN PATENT APPLICATION

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B64D 10/00 , B64D 13/00**

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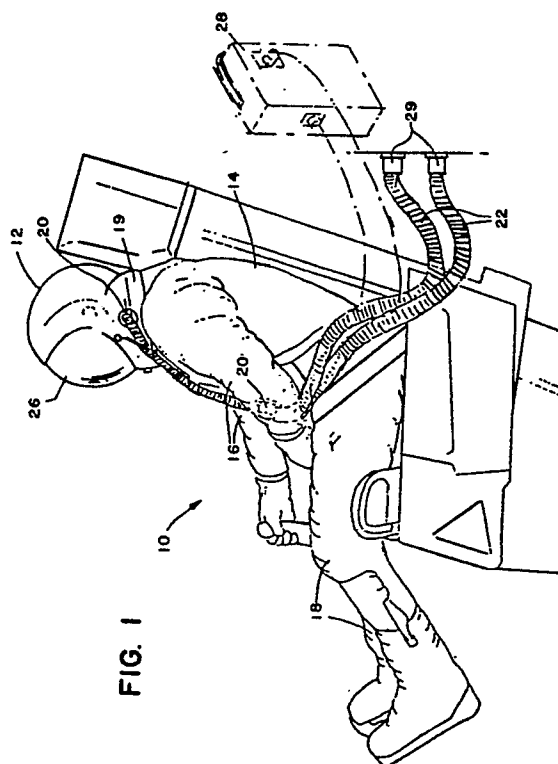
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54 **Universal life support system.**

57 A universal life support system adapted for use in an aircraft or spacecraft. The system includes components attached to the aircraft or spacecraft, components attached to the seat, and the ensemble (10) to be worn. While appropriate gases and signals are sent between the craft and the seat, the seat connector (50) at the suit side is adapted to receive any of the variety of connectors used with the ensembles (10) that may be worn. While all potentially required gases, electrical signals, and electrical power are provided at the seat side of the seat-ensemble connection (102), the ensemble connector is configured to receive possibly only a subset of them. In addition, the ensemble connector can actuate a switch built into the seat connector to produce a signal indicative of the suit (10) being worn. This signal provides information to the life support control system in the aircraft to cause the life support control system to adapt appropriate temperature and gas supply schedules.





| DOCUMENTS CONSIDERED TO BE RELEVANT  |   |  | EP 87113978.8   |
|--|---|--|---|
| Category   | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim                              | CLASSIFICATION OF THE APPLICATION (Int. Cl.4)   |
| A  | <u>US - A - 2 494 005</u><br>(SABBIA)<br>* Claims; fig. 2,3 *<br>--           | 1,5  | A 62 B 17/00<br>A 62 B 7/14<br>B 64 D 10/00<br>B 64 D 13/00                               |
| A  | <u>US - A - 2 824 557</u><br>(MEJEAN et al)<br>* Totality *<br>--             | 1,5  |   |
| A  | <u>US - A - 3 106 203</u><br>(MAYO et al.)<br>* Claims *<br>--                | 1,5  |   |
| A  | <u>US - A - 3 463 150</u><br>(PENFOLD)<br>* Claims 9,10 *<br>--               | 1,5  |   |
| A  | <u>US - A - 3 487 765</u><br>(LANG)<br>* Claims 7-11 *<br>--                  | 1,5  |   |
| A  | <u>US - A - 3 915 154</u><br>(COSENTINO)<br>* Totality *<br>--                | 1,5  | TECHNICAL FIELDS<br>SEARCHED (Int. Cl.4)  |
| A  | <u>US - A - 3 635 216</u><br>(CURTIS)<br>* Totality *<br>--                   | 1,5  | A 62 B 7/00<br>A 62 B 9/00<br>A 62 B 17/00<br>B 64 D 10/00<br>B 64 D 13/00<br>B 64 G 6/00 |
| A  | <u>US - A - 4 095 593</u><br>(WEBBON et al.)<br>* Totality *<br>--            | 1,5  |   |
| A  | <u>US - A - 4 230 097</u><br>(BEAUSSANT et al.)<br>* Claims *<br>--           | 1,5  |   |
| A  | <u>US - A - 4 243 024</u><br>(CROSBIE et al.)<br>* Totality *<br>----         | 1,5  |   |
| The present search report has been drawn up for all claims   |   |  |   |
| Place of search<br>VIENNA  |   | Date of completion of the search<br>24-05-1989 | Examiner<br>BAUMANN   |
| CATEGORY OF CITED DOCUMENTS<br>X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document<br>T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>& : member of the same patent family, corresponding document |   |  |   |